Osicom

ROUTERmate™

56K/64K CSU/DSU

INSTALLATION and OPERATION MANUAL

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NOTICE

Osicom Technologies may incorporate enhancements in the product
and change the product specifications described in this manual
at any time and without notice.

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Communications Line Requirements for CSU/DSU

The communications facility between Routermates should be a DDS or metallic baseband line with a wire gauge between 19 and 26 (inclusive). The Routermate will not operate on dial network (DDD) nor on voice-grade lines.

The baseband line must have the following characteristics:

- Metallic continuity
- Non-switched
- Two shielded twisted pairs
- Must not be equipped with correcting circuits, repeaters, or loading coils

We recommend that you use two separate twisted-pair cables. In noisy environments, use shielded twin cables that are grounded to your telecommunications facility.

FCC Part 15 Compliance

This equipment has been tested and found to comply with the limits for a Class A computing device pursuant to Part 15 of FCC Rules. These rules are designed to provide reasonable protection against such interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, might cause interference to radio communications.

Operation of this equipment in a residential area is likely to cause interference, in which case the user is required to correct the interference at his own expense.

FCC Part 68 Requirements for CSU/DSU

Notification to the Telephone Company - The Routermate 56K/64K CSU/DSU complies with Part 68 of FCC Rules. Provide the 14-character FCC Registration Number (see multipurpose label on underside of unit), plus the Facility Interface Codes (according to data transmission speed) and Service Order Code (see front matter of manual) to your telephone company so they can connect the necessary service.

Malfunction of the Equipment - In the event this equipment should fail to operate properly, disconnect the unit from the communications line until you learn whether the source of trouble is in your equipment or in the line. If the trouble appears to be with this unit, discontinue use of the unit until it is repaired.

Under FCC rules, no customer is authorized to repair this equipment. This restriction applies whether the equipment is in or out of warranty.

Please note that the telephone company may ask that you disconnect this equipment from their lines until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

Incidence of Harm - If your equipment causes harm to the network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice is not practical, you will be notified as soon as possible.

Rights of the Telephone Company - Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted service.

Industry Canada's Compliance Notice - This Class A digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations.

Cet appareil numerique de la classe A respecte toutes les exigences du Reglement sur le material du Canada.

FCC Part 68 Requirements for V.32 Modem

Notification to The Telephone Company - The modem complies with Part 68 of FCC Rules. The label located on the bottom of this unit contains the FCC Registration Number and Ringer Equivalence Number for this equipment. You must, upon request, provide this information to your telephone company. The Ringer Equivalence Number (REN) is used to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

Jack Type Needed - The Routermate 56/64 uses a 6-pin modular jack to connect the modem to the dial network.

Incidence of Harm - If your telephone equipment causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice is not practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with the FCC.

Rights of The Telephone Company - Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

Malfunction of The Equipment - In the event this equipment should fail to operate properly, disconnect the unit from the telephone line. Try using another FCC-approved telephone in the same telephone jack. If the trouble persists, call your telephone company repair service. If the trouble does not persist and appears to be with this unit, disconnect the unit from the telephone line and discontinue use of the unit until it is repaired. Contact Osicom Technologies for equipment repair at 301-317-7400.

Please note that the telephone company may ask that you disconnect this equipment from their lines until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

Coin Service or Party Line - This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs.

FCC Facility Interface Codes:

04DU5–56: 56000 bps
4DU5–64: 64000 bps

Service Code

6.0Y

Jack Arrangements:

RJ48S, 8-pin modular telephone jack to connect to the network

V.32bis modem: Use an RJ11, 6-pin modular telephone jack to connect to DDD lines.

Power

The wall-mounted transformer (included with the unit) must be used with the standalone (desktop) Routermate to assure reliability and compliance to the FCC and Underwriters' Laboratories requirements (as well as Canadian Department of Communications standards, when applicable).